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8. The method of claim 1 wherein said gateway enzyme is plasmin and said metaprobe is N-acetyl-L-leucyl-L-leucyl-L-lysyl-p-aminobenzoic[1-<sup>13</sup>C] acid, ethyl ester.

9. The method of claim 1 wherein said gateway enzyme is plasmin and said metaprobe is N-acetyl-L-leucyl-L-leucyl-L-lysyl-2-aminobutyric[1-<sup>13</sup>C] acid, ethyl ester. 5

10. The method of claim 1 wherein said gateway enzyme is aminopeptidase P and said metaprobe is glycyl[1-<sup>13</sup>C]-L-prolyl-L-proline, ethyl ester.

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11. The method of claim 1 wherein said gateway enzyme is prolyl oligopeptidase and said metaprobe is N-carbobenzyloxy-glycyl-L-prolyl-2-aminobutyric[1-<sup>13</sup>C] acid, ethyl ester.

12. The method of claim 1 wherein said gateway enzyme is carboxypeptidase M and said metaprobe is N-L-prolyl-L-2-aminobutyryl[1-<sup>13</sup>C]-L-arginine.

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